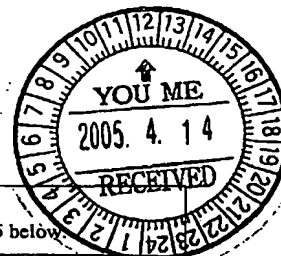


PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference OPP040374KR	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/003511	International filing date (day/month/year) 29 DECEMBER 2004 (29.12.2004)	(Earliest) Priority Date (day/month/year) 29 DECEMBER 2003 (29.12.2003)
Applicant Electronics and Telecommunications Research Institute et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (See Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings.

a. the figure of the drawings to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

b. ☐ None of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/003511

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04L 1/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L 1/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic database consulted during the international search (name of data base and, where practicable, search terms used)

Korean Intellectual Property Office Patent Search System "PACKET & RETRANSMIT & DISCARD"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US6519223 B1(ERICSSON TELEFON AB L M) 11. Feb.,2003(2003.02.11)	1
A	* THE WHOLE DOCUMENT	2-13
A	KR20030004618 A(SAMSUNG ELECTRONICS CO., LTD.) 15. Jan.,2003(2003.01.15)	1-13
	* THE WHOLE DOCUMENT	

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 APRIL 2005 (12.04.2005)

Date of mailing of the international search report

13 APRIL 2005 (13.04.2005)

Name and mailing address of the IP-APR

Korean Intellectual Property Office
10 Pilsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-41472-7140

Authorized officer

UHM, In Kwon

Telephone No. 82-42-481-5712



INTERNATIONAL SEARCH REPORT
Information on patent family membersInternational application No.
PCT/KR2004/003511

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 030004318 A	15.01.2003	NONE	
US 19220 B1	11.02.2003	AU200039943A1	23.10.2000
		BR200009590A	26.12.2001
		CA2368770A1	12.10.2000
		CN1512702A	14.07.2004
		EP01166486A1	02.01.2002
		JP14541727	03.12.2002
		TW472472A	11.01.2002
		KR1020020013840	21.02.2002
		W0200060799A1	12.10.2000